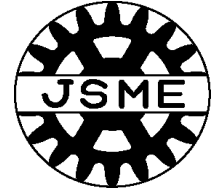




First Call for Papers



www.asme.org/divisions/isps

2006 ASME/JSME Joint Conference on Micromechatronics for Information and Precision Equipment (MIPE 2006)

June 21-23, 2006, Santa Clara, California, USA

Participating Divisions: ASME Information Storage and Processing Systems (ISPS) Division
ASME Tribology Division, Symposium on Frontiers of Magnetic Hard Disk Drive Technology and Tribology
JSME Information, Intelligent and Precision (IIP) Equipment Division

Conference Chairs: I. Y. (Steve) Shen, University of Washington, USA, ishen@u.washington.edu
Shozo Saegusa, Hiroshima University, Japan, shosaegu@hiroshima-u.ac.jp

Presentations are solicited for presentation at MIPE 2006. Relevant technologies include (i) magnetic and optical devices in the form of rigid disk, flexible disk, or tape media, (ii) processing systems such as copiers, printers, digital cameras, scanners, and data servers, and (iii) intelligent machines, biomedical equipment, and wearable systems. The following technical areas are indicative of the conference interdisciplinary scope: dynamics, vibrations, acoustics, tracking, friction, wear, lubrication, corrosion, contamination, thin films, contact mechanics, actuators, servo, motors and spindles, air flow, air-flow induced vibrations, heat transfer, image writing technologies (ink jet, thermal, laser printing, etc.), paper handling, roller mechanics, and image science.

Potential presenters should submit a one-page abstract for review. Please submit the one-page abstract to session organizers listed on the reverse side of the call for paper. Once the paper is accepted for presentation, the authors shall prepare a two-page extended abstract to be included in a conference abstract booklet. Presenters could also submit a full paper to be published in a Special Edition of *Microsystems Technologies* (impact factor: 0.732). Submitted papers will be peer-reviewed before publication.

Important Deadlines

- January 6, 2006: 1-page abstract due, submit 1-page abstract to session organizers; see reverse side.
- February 10, 2006: Notification of acceptance
- March 21, 2006: 2-page extended abstract due for conference publication
Email 2-page abstract to: jen-yuan.chang@hitachigst.com
- May 1, 2006: Nomination of ISPS Fellowships (students only)
- June 21-23, 2006: MIPE 2006 Conference
- June 23, 2006: Full paper submitted to *Microsystems Technologies*, email the paper draft in PDF format to ishen@u.washington.edu.
- Sep 30, 2006: Notification of journal paper acceptance
- Nov 25, 2006: Author's response and revision due
- June 30, 2007: Publication of MIPE 2006 Special Issue

Sessions

Session Name		
Tribology Symposium(Tribology Division)		
Tribology, Head/Disk Interface		
Spindle Motor & Acoustics		
Actuator & Suspension		
HDD Servo Control		
Flow-Induced Vibration		
Flexible Media Mechanics and Tape Storage		
Optical Storage		
Image Construction Technology		
Micro/Nano-technologies		
Bio-medical Equipment and Intelligent Machines		
Future Technology		
Operational and Non-Operational Shock Analysis		

Background of MIPE 2006:

In ASME (American Society of Mechanical Engineers), the ISPS (Information Storage and Processing Systems) Division is the major division working on disk drives, tape drives, optical drives, etc. ISPS has its annual conference held at San Jose in June every year. In JSME (Japanese Society of Mechanical Engineers), the IIP (Information, Intelligent, and Precision Equipment) Division is devoted to information storage systems and other areas, such as precision machines and equipment. Similarly, IIP has its annual conference held in Japan. In year 2003, ISPS and IIP worked together to have a joint conference called MIPE (Micromechatronics for Information and Precision Equipment). The conference was held at Yokohama, Japan. Moreover, both ISPS and IIP merged their own annual conferences in 2003 into MIPE so that most people can attend. ISPS and IIP agree to hold the joint MIPE conference every 3 years alternating between US and Japan. Moreover, the *Symposium on Frontiers of Magnetic Hard Disk Drive Technology and Tribology* from ASME Tribology Division will be held jointly in MIPE 2006.